DIY SKI RACK PLANS

Thanks for downloading the DIY PETE Ski Rack Plans from Ryobi Nation. This project will help you organize your garage and provide a great place to store your skis, poles, and boots. The project is simple, budget friendly, quick, and functional.

Tools Needed

Miter Saw– I'd recommend a 12 inch sliding, miter saw.
Drill– I use Ryobi drills.
Orbital Sander– Ryobi makes a nice one.
Jig Saw
Circular Saw – Could be used in place of a miter saw
Speed Square

Tape Measure, Ruler, Pencil
Eye and Ear protection

Supplies Needed

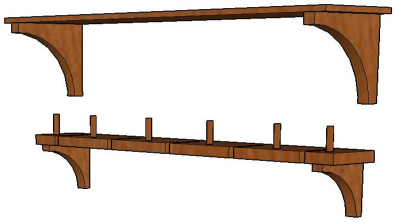
Wood
QTY 1: 2x8 by 10 foot long board
QTY 1: 1x12 by 10 foot long board
QTY 1: 2x12 by 8 foot long board (for upper brackets) - or use scraps from the shop to save money
QTY 1: ¾ inch diameter by 3 foot long dowel
Wood Glue
Stain or Finish of your choice
2 inch screws
3 ½ inch screws

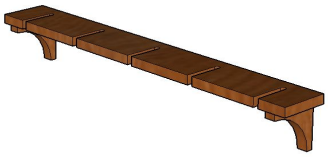
Wood

*Note - The actual dimensions of dimensional lumber such as a 2x8 equals 1 ½"x7 1/4" and a 1x12 equals 3/4" x 11 ¼".

Cut List

- **Upper and Lower Ski Rack Boards** - QTY: 2 - 52 ½" long by 7 ¼"
- **Optional Upper Shelf** - QTY: 1 - 55 ½" long by 11 ¼"
- **Upper and Lower Ski Rack Brackets** - QTY: 4 - 7 ¼" by 7 ¼" and cut out arch
- **Upper Shelf Brackets** - QTY: 2 - 11 ¼" by 11 ¼" and cut out arch
- **Dowel Pole Holders** - QTY: 6 - 4 ½" long





Approximate Total Cost: $38 for wood

The DIY Concrete Coffee Table can be made for about $70 in materials cost. This is the cost for the wood, concrete supplies, and other basic supplies. *Note: This doesn't include smaller things you may already have around the shop, including: glue, sandpaper, screws, etc.

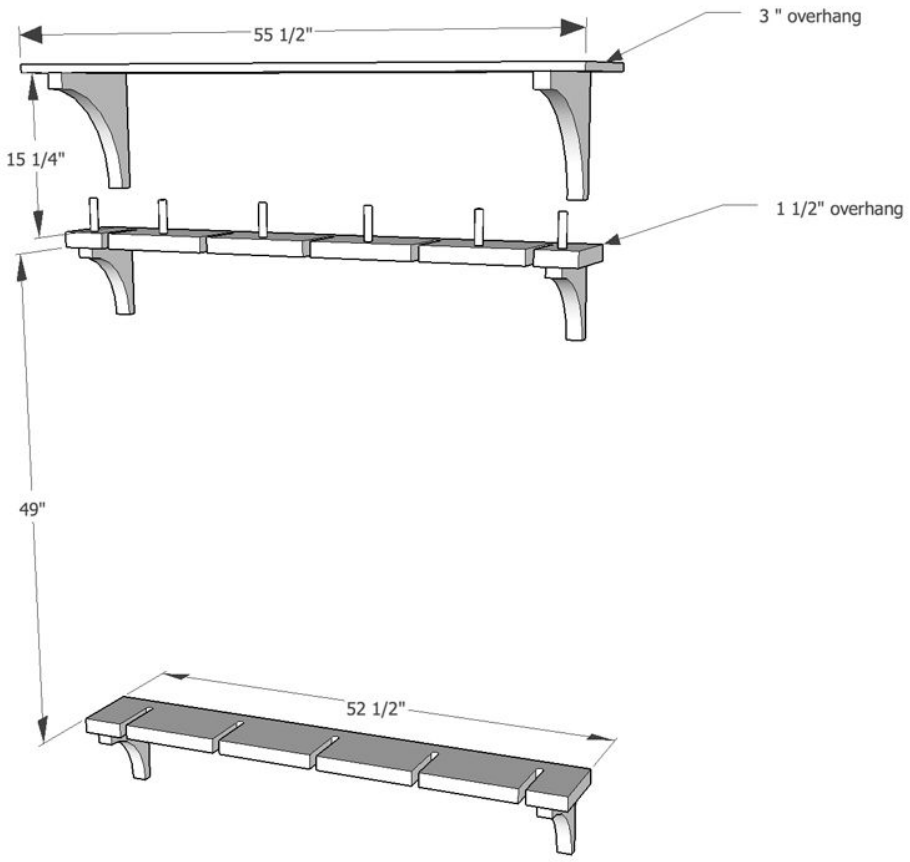
Wood Costs

- 1 - 2x8x10 : $8.00
- 1 - 1x12x6: $14.00
- 1 - ¾ inch diameter dowel: $4
- 1 - 2x12x8: $12.00 (or use scraps to make QTY: 2 - 11 ¼ x 11 ¼" shelf brackets)

Other Costs

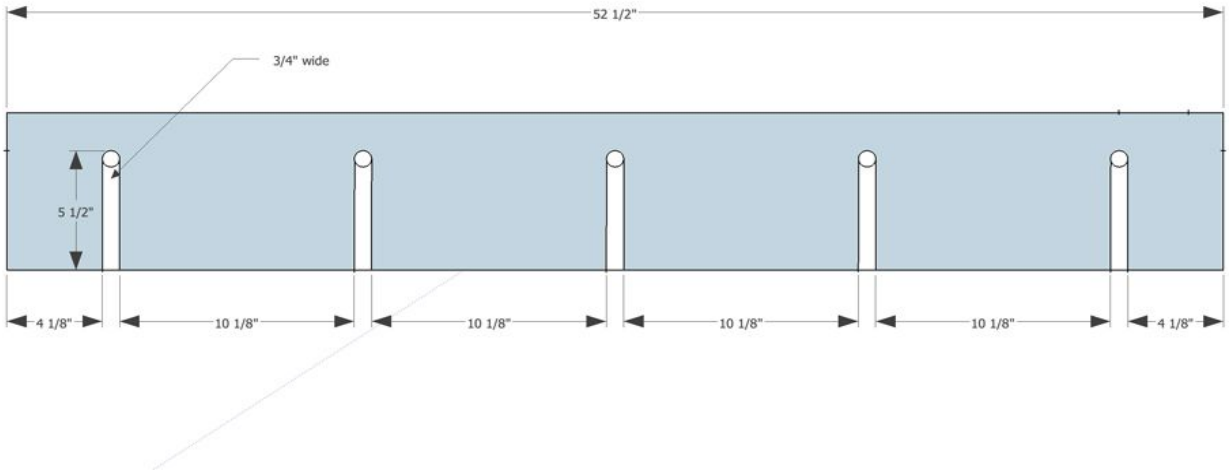
- Wood Stain
- 2 inch and 3 ½ inch screws
- Wood Glue
- Rag / Brush

Overall Dimensions



Cut ski rack boards

We'll start this project by marking and making cuts for the main boards. This includes the long board for upper and lower racks as well as the top shelf. Take a look at the cut list for dimensions and guidance, then refer to the blog post at RyobiNation.com for tutorial photos. Cut the upper and lower racks out of a 2x8 board to 52 ½ inches long.

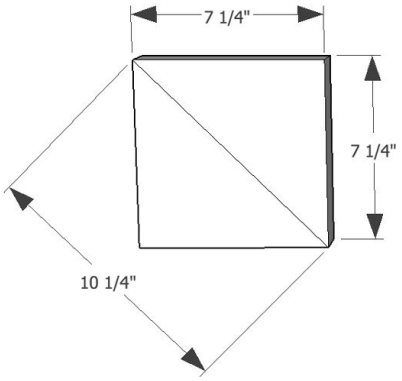


Create Ski Slots

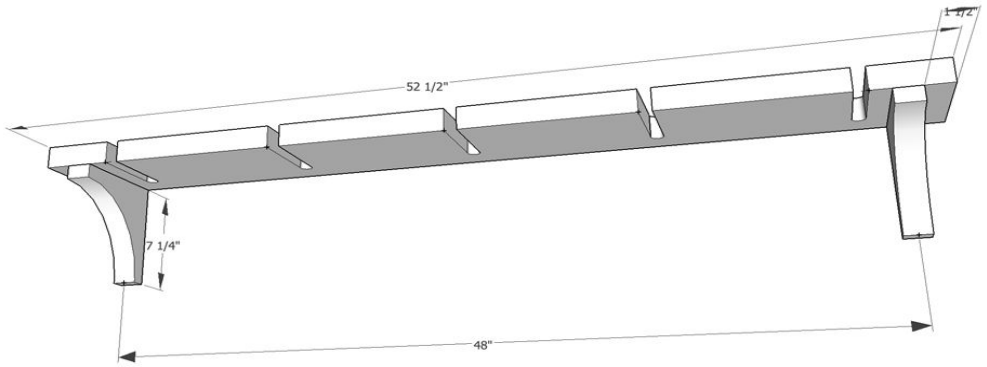
Create the slots for the skis. They'll measure 5 ½ inches deep and ¾ inches wide. Space the slots approximately 10 inches apart to accommodate the width of the ski bindings. Use the diagram to replicate this 5 ski rack. Drill a ¾ inch hole with a spade bit to make the back of the rounded slot. Use a straight edge or carpenters square to draw the straight lines. A circular saw can be used to cut the slots, and a jig saw will help with any remaining cuts on the slots. Next, replicate this exact same slot pattern on a second board.

Make Brackets

Cut QTY 2 - 7 ¼ x 7 ¼ inch squares out of the remaining 2x8 board. Next cut a 45 degree angle to create a triangle bracket. This will create a set of brackets for each rack unit. Then use a paint can to help create an arch for the bracket. You'll want the thinnest part of the brackets to be about 1 ¼ inch to 1 ½ inch.

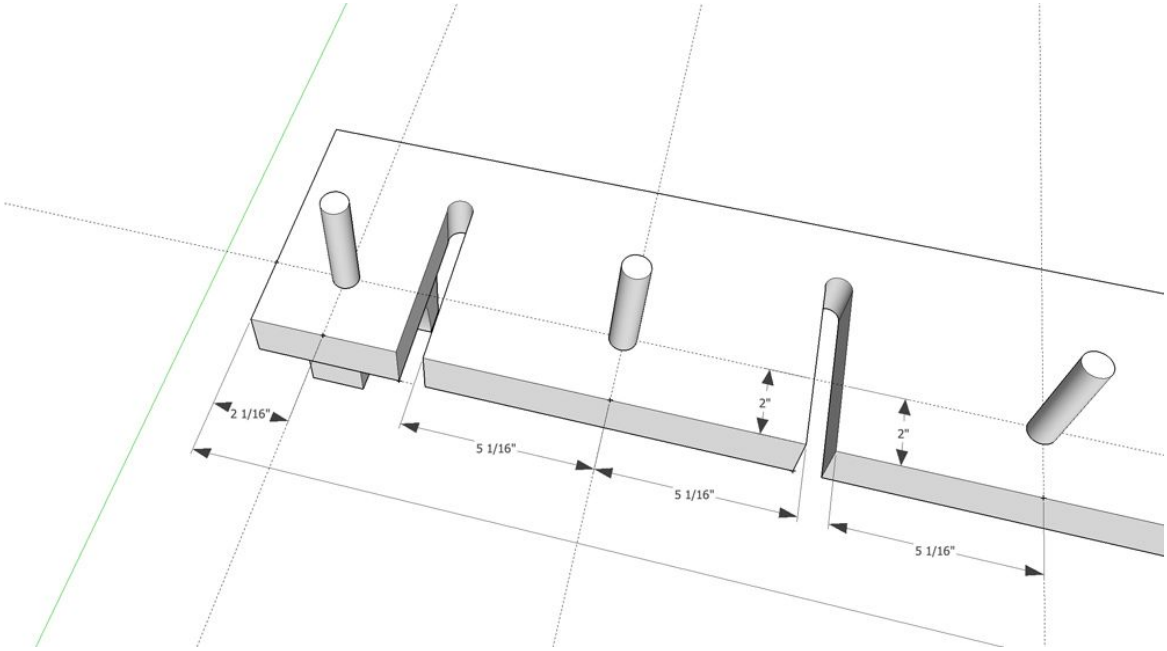


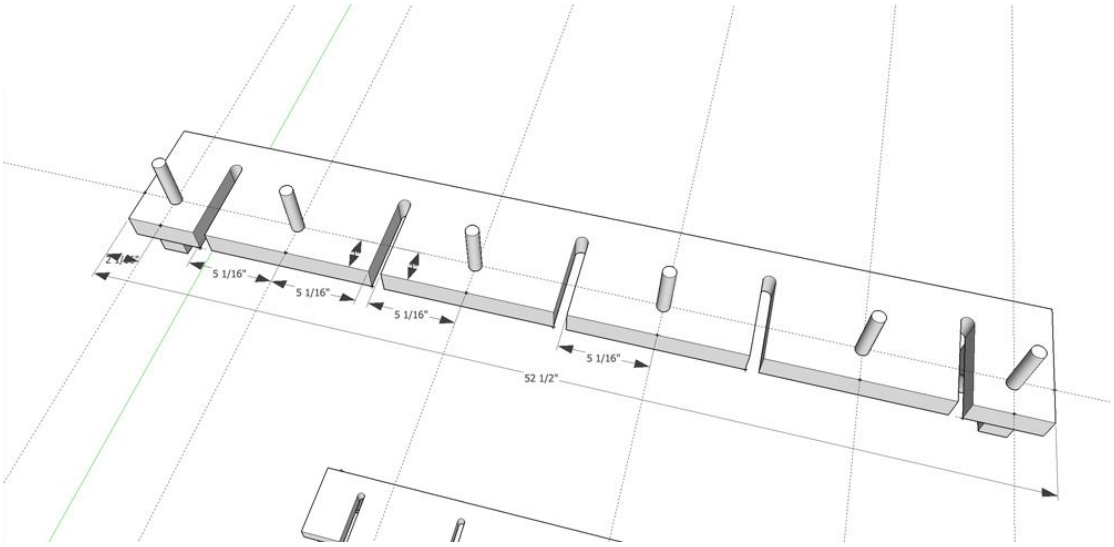
Attach each bracket to the horizontal board from either the top side or bottom side using glue and 2 wood screws. I used a 2 inch screw and 3 ½ inch screw for each bracket. Don't forget to pre-drill. Space the screws evenly so one is towards the front of the shelf, and the other towards the back. They should be 1 ½ inches in from the left and right side. This ensures they are 48 inches on center and can be attached directly into the studs of the wall.



Add pegs to hold ski poles

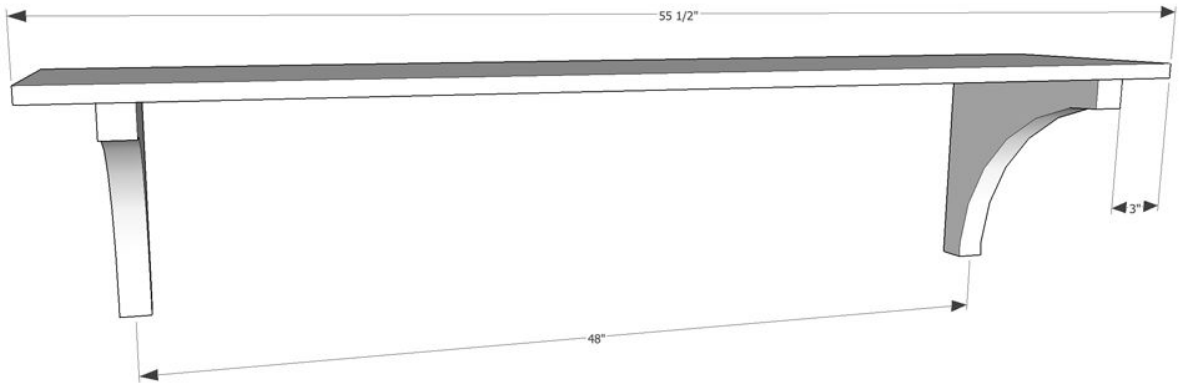
Center the pegs in each section between the ski slots. They should be 2 inches in from the front side of the shelf. Drill a ¾ inch diameter hole ¾ of an inch deep. Then use wood glue and insert the peg.





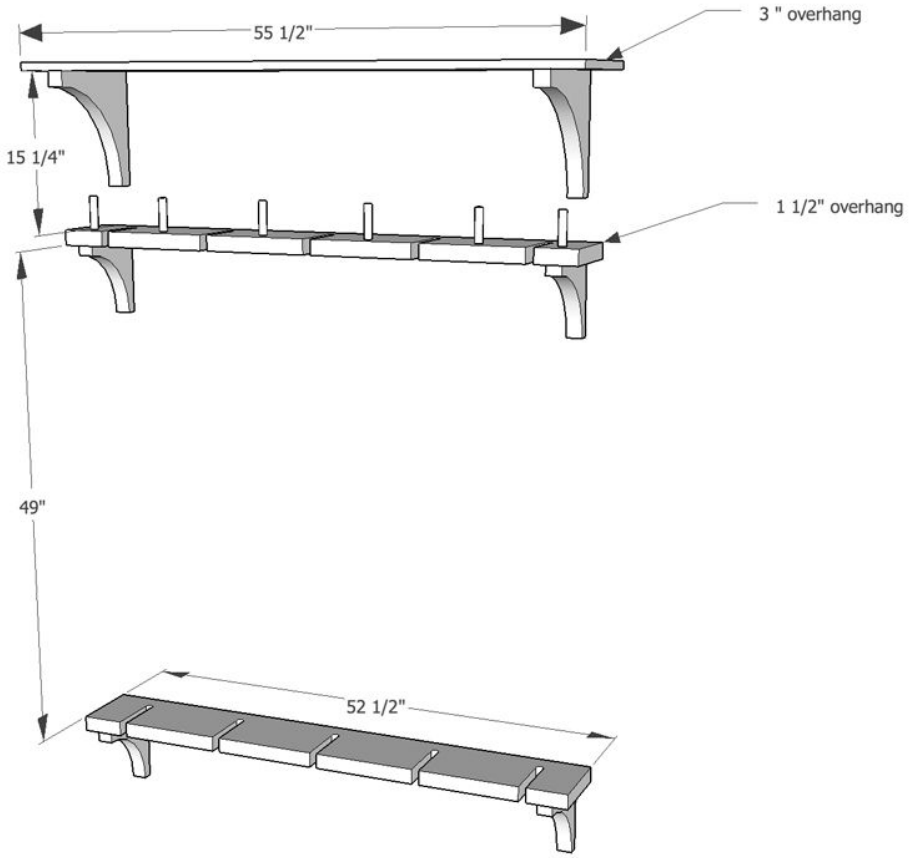
Upper Shelf

The upper shelf is 55 ½ inches long and made from a 1x12 board. The brackets are made from a 2x12 board. A bucket is used to create a rounded arch similar to how we made the smaller brackets earlier. The brackets are placed 3 inches in from each side to they are 48 inches on center.



Install

Level the top ski rack unit with the pegs approximately 6 feet from the floor, or to the height of your preference. Attach using QTY 2 - 3 ½ inch screws in each bracket. Attach the lower ski rack unit directly below the upper unit, approximately 49 inches down. Lastly, install the optional upper shelf as needed. All 3 items should be installed so they line up with the studs in the wall.



Enjoy!

You've done the work, now reap the benefits of your new ski rack! It's time to organize those skis, poles, and boots. Thanks for following along and be sure to check out the free blog post on RYOBI NATION which is linked to from DIYPETE.com/SkiRack

Cheers!

Thanks so much for checking out the Ski Rack Plans and I'd love to hear how your project goes! Please post photos on Facebook at www.facebook.com/diyprojectswithpete and subscribe to my Youtube channel at www.youtube.com/diyprojectswithpete.

Cheers from Montana,

* Please refer to the post at http://www.diypete.com/skirack and out the Ryobi Nation tutorial for more information, instructions, and tips.